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PATENT
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| Applicants: Motoi NAKANISHI et al. | International Application No.: PCT/JP03/06373 |
| Serial No.: Unknown | International Filing Date: May 22, 2003 |
| Filed: Concurrently herewith | |
| Title: RADAR | |

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 CFR §1.56, and in recognition of their duty to disclose to the United States Patent and Trademark Office relevant information known to be material to patentability, Applicants herewith submit copies of the prior art listed on the attached Form PTO-1449. The prior art references were cited in the International Search Report for PCT Application No. PCT/JP03/06373.

The relevance of JP 7-98375 is discussed on page 2 of the substitute specification filed concurrently herewith.

The relevance of JP 5-232214, JP 11-211811, and JP 2000-147103 is discussed on page 3 of the substitute specification filed concurrently herewith.

The statement is not a representation that all of the information cited is necessarily effective as prior art against the application.

Applicants respectfully request that the disclosed references be made of record in the subject application.

Respectfully submitted,

Date: December 3, 2004



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Substitute for form 1449/PT0

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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| Sheet | 1 | of | 1 |
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Complete if Known

Application Number

Filing Date

First Named Inventor

Motoi NAKANISHI

Art Unit

Examiner Name

| | |
|------------------------|------------|
| Attorney Docket Number | 36856.1307 |
|------------------------|------------|

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM -YYYY | Country of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|--|------------------------------|---------------------------|---|----------------|
| | | Country Code ³ Number-Kind Code ⁵ (if known) | | | | |
| | 1 | JP 07-098375 (English abstract and machine translation) | 04/1995 | JAPAN | | X |
| | 2 | JP 11-271430 (English abstract and machine translation) | 10/1999 | JAPAN | | X |
| | 3 | JP 11-271433 (English abstract and machine translation) | 10/1999 | JAPAN | | X |
| | 4 | JP 2000-065921 (English abstract and machine translation) | 03/2000 | JAPAN | | X |
| | 5 | JP 11-211811 (English abstract and machine translation) | 08/1999 | JAPAN | | X |
| | 6 | JP 05-142338 (English abstract and machine translation) | 06/1993 | JAPAN | | X |
| | 7 | JP 2000-147103 (English abstract and machine translation) | 07/1999 | JAPAN | | |
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*Examiner: Initial if reference considered, whether of not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

¹ Applicant unique citation designation number (optional). ² See Kind Codes of USPTO Patent documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Abstract is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14.